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RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/091,166A

Source: OIPE

Date Processed by STIC: 6/28/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**> , **EFS Submission User Manual - ePAVE**)
2. **U.S. Postal Service:** U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
        Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service,** or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10|09|,|66A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1____Wrapped Nucleics Wrapped Aminos

The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2____Invalid Line Length

The rules require that a line not exceed 72 characters in length. This includes white spaces.

3____Misaligned Amino Numbering

The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4____Non-ASCII

The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5____Variable Length

Sequence(s)____contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6____PatentIn 2.0 "bug"

A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)_____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7____Skipped Sequences (OLD RULES)

Sequence(s)_____missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8____Skipped Sequences (NEW RULES)

Sequence(s)_____missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9____Use of n's or Xaa's (NEW RULES)

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.

10____Invalid <213> Response

Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 ✓ Use of <220>

Sequence(s) __3__ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12____PatentIn 2.0 "bug"

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13____Misuse of n

n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/091,166A

DATE: 06/28/2002
TIME: 11:21:14

Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

```
 4 <110> APPLICANT: Adler, David A.
 5         Holloway, James L.
 6         Baindur, Nand
 7         Beigel-Orme, Stephanie
 8         Sheppard, Paul O.
10 <120> TITLE OF INVENTION: NOVEL BETA-DEFENSINS
13 <130> FILE REFERENCE: 97-44D1
15 <140> CURRENT APPLICATION NUMBER: US 10/091,166A
16 <141> CURRENT FILING DATE: 2002-03-05
18 <150> PRIOR APPLICATION NUMBER: US 09/636,399
19 <151> PRIOR FILING DATE: 2000-08-10
21 <150> PRIOR APPLICATION NUMBER: US 09/344,097
22 <151> PRIOR FILING DATE: 1999-06-25
24 <150> PRIOR APPLICATION NUMBER: US 09/150,786
25 <151> PRIOR FILING DATE: 1998-09-10
27 <150> PRIOR APPLICATION NUMBER: US 60/064,294
28 <151> PRIOR FILING DATE: 1997-11-05
30 <150> PRIOR APPLICATION NUMBER: US 60/058,335
31 <151> PRIOR FILING DATE: 1997-09-10
33 <160> NUMBER OF SEQ ID NOS: 72
35 <170> SOFTWARE: FastSEQ for Windows Version 4.0
37 <210> SEQ ID NO: 1
38 <211> LENGTH: 219
39 <212> TYPE: DNA
40 <213> ORGANISM: Homo sapiens
42 <220> FEATURE:
43 <221> NAME/KEY: CDS
44 <222> LOCATION: (1)...(195)
46 <400> SEQUENCE: 1
47 atg agg atc cat tat ctt ctg ttt gct ttg ctc ttc ctg ttt ttg gtg   48
48 Met Arg Ile His Tyr Leu Leu Phe Ala Leu Leu Phe Leu Phe Leu Val
49  1               5                  10                  15
51 cct gtt cca ggt cat gga gga atc ata aac aca tta cag aaa tat tat   96
52 Pro Val Pro Gly His Gly Gly Ile Ile Asn Thr Leu Gln Lys Tyr Tyr
53              20                  25                  30
55 tgc aga gtc aga ggc ggc cgg tgt gct gtg ctc agc tgc ctt cca aag  144
56 Cys Arg Val Arg Gly Gly Arg Cys Ala Val Leu Ser Cys Leu Pro Lys
57          35                  40                  45
59 gag gaa cag atc ggc aag tgc tcg acg cgt ggc cga aaa tgc tgc cga  192
60 Glu Glu Gln Ile Gly Lys Cys Ser Thr Arg Gly Arg Lys Cys Cys Arg
61      50                  55                  60
63 aga aagaaataaa aaccctgaaa catg                                    219
64 Arg
```

RAW SEQUENCE LISTING   DATE: 06/28/2002
PATENT APPLICATION: US/10/091,166A   TIME: 11:21:14

Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

```
65  65
68 <210> SEQ ID NO: 2
69 <211> LENGTH: 65
70 <212> TYPE: PRT
71 <213> ORGANISM: Homo sapiens
73 <400> SEQUENCE: 2
74 Met Arg Ile His Tyr Leu Leu Phe Ala Leu Leu Phe Leu Phe Leu Val
75  1               5               10              15
76 Pro Val Pro Gly His Gly Gly Ile Ile Asn Thr Leu Gln Lys Tyr Tyr
77              20              25              30
78 Cys Arg Val Arg Gly Gly Arg Cys Ala Val Leu Ser Cys Leu Pro Lys
79          35              40              45
80 Glu Glu Gln Ile Gly Lys Cys Ser Thr Arg Gly Arg Lys Cys Cys Arg
81      50              55              60
82 Arg
83 65
86 <210> SEQ ID NO: 3
87 <211> LENGTH: 31
88 <212> TYPE: PRT
C--> 89 <213> ORGANISM: Artificial
91 <220> FEATURE:
92 <221> NAME/KEY: VARIANT
93 <222> LOCATION: (2)...(7)
94 <223> OTHER INFORMATION: Any amino acid, preferably not cysteine.
96 <221> NAME/KEY: VARIANT
97 <222> LOCATION: (9)...(12)
98 <223> OTHER INFORMATION: Any amino acid, preferably not cysteine.
W--> 100 <221> VARIANT
101 <222> LOCATION: (14)...(20)
102 <223> OTHER INFORMATION: Any amino acid, preferably not cysteine.
W--> 104 <221> VARIANT
105 <222> LOCATION: (22)...(22)
106 <223> OTHER INFORMATION: Any amino acid, preferably not cysteine.
W--> 108 <221> VARIANT
109 <222> LOCATION: (24)...(29)
110 <223> OTHER INFORMATION: Any amino acid, preferably not cysteine.
W--> 112 <400> 3
W--> 113 Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa
114  1               5               10              15
W--> 115 Xaa Xaa Xaa Xaa Gly Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Cys
116              20              25              30
119 <210> SEQ ID NO: 4
120 <211> LENGTH: 213
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Degenerate nucleotide encoding the polypeptide of
126      SEQ ID NO:2.
W--> 128 <221> NAME/KEY: misc_feature
```

explanation for artificial Sequence was omitted. See error summary sheet item 11

```
        129 <222> LOCATION: (1)...(213)
        130 <223> OTHER INFORMATION: n = a, g, c or t
W--> 132 <400> 4
W--> 133 athcaytayy tnytnttygc nytnytntty ytnttyytng tnccngtncc nggncayggn 60
W--> 134 ggnathatha ayacnytnca raartrrnnn tgymgngtnm gnggnggnmg ntgygcngtn 120
W--> 135 ytnwsntgyy tnccnaarga rgarcarath ggnaartgyw snacnmgngg nmgnaartgy 180
W--> 136 tgymgnmgna araartrraa rccntrraay atg                             213
        138 <210> SEQ ID NO: 5
        139 <211> LENGTH: 20
        140 <212> TYPE: DNA
        141 <213> ORGANISM: Artificial Sequence
        143 <220> FEATURE:
        144 <223> OTHER INFORMATION: Oligonucleotide ZC14741
        146 <400> SEQUENCE: 5
        147 gagcacttgc cgatctgttc                                          20
        149 <210> SEQ ID NO: 6
        150 <211> LENGTH: 20
        151 <212> TYPE: DNA
        152 <213> ORGANISM: Artificial Sequence
        154 <220> FEATURE:
        155 <223> OTHER INFORMATION: Oligonucleotide ZC14740
        157 <400> SEQUENCE: 6
        158 ccaggtcatg gaggaatcat                                          20
        160 <210> SEQ ID NO: 7
        161 <211> LENGTH: 18
        162 <212> TYPE: DNA
        163 <213> ORGANISM: Artificial Sequence
        165 <220> FEATURE:
        166 <223> OTHER INFORMATION: Oligonucleotide ZC14780
        168 <400> SEQUENCE: 7
        169 ggaggaatca taaacaca                                            18
        171 <210> SEQ ID NO: 8
        172 <211> LENGTH: 18
        173 <212> TYPE: DNA
        174 <213> ORGANISM: Artificial Sequence
        176 <220> FEATURE:
        177 <223> OTHER INFORMATION: Oligonucleotide ZC14776
        179 <400> SEQUENCE: 8
        180 gccgatctgt tcctcctt                                            18
        182 <210> SEQ ID NO: 9
        183 <211> LENGTH: 438
        184 <212> TYPE: DNA
        185 <213> ORGANISM: Homo sapiens
        187 <220> FEATURE:
        188 <221> NAME/KEY: CDS
        189 <222> LOCATION: (220)...(420)
        191 <400> SEQUENCE: 9
        192 acaaatccat agggagctct gccttaccat tgggttccta attaactgag tgagtgggtg 60
        193 tgttctgcat ggtgagaggc attggaatga tgcatcagaa aacatgtcat aatgtcatca 120
```

RAW SEQUENCE LISTING   DATE: 06/28/2002
PATENT APPLICATION: US/10/091,166A   TIME: 11:21:14

Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

```
194 ctgtaatatg acaagaattg cagctgtggc tggaaccttt ataaagtgac caagcacacc 180
195 ttttcatcca gtctcagcgt ggggtgaagc ctagcagct atg agg atc cat tat    234
196                                              Met Arg Ile His Tyr
197                                               1               5
199 ctt ctg ttt gct ttg ctc ttc ctg ttt ttg gtg cct gtt cca ggt cat 282
200 Leu Leu Phe Ala Leu Leu Phe Leu Phe Leu Val Pro Val Pro Gly His
201                 10                  15                  20
203 gga gga atc ata aac aca tta cag aaa tat tat tgc aga gtc aga ggc 330
204 Gly Gly Ile Ile Asn Thr Leu Gln Lys Tyr Tyr Cys Arg Val Arg Gly
205                 25                  30                  35
207 ggc cgg tgt gct gtg ctc agc tgc ctt cca aag gag gaa cag atc ggc 378
208 Gly Arg Cys Ala Val Leu Ser Cys Leu Pro Lys Glu Glu Gln Ile Gly
209             40                  45                  50
211 aag tgc tcg acg cgt ggc cga aaa tgc tgc cga aga aag aaa         420
212 Lys Cys Ser Thr Arg Gly Arg Lys Cys Cys Arg Arg Lys Lys
213     55                  60                  65
215 taaaaaccct gaaacatg                                            438
217 <210> SEQ ID NO: 10
218 <211> LENGTH: 67
219 <212> TYPE: PRT
220 <213> ORGANISM: Homo sapiens
222 <400> SEQUENCE: 10
223 Met Arg Ile His Tyr Leu Leu Phe Ala Leu Leu Phe Leu Phe Leu Val
224  1               5                  10                  15
225 Pro Val Pro Gly His Gly Gly Ile Ile Asn Thr Leu Gln Lys Tyr Tyr
226             20                  25                  30
227 Cys Arg Val Arg Gly Gly Arg Cys Ala Val Leu Ser Cys Leu Pro Lys
228             35                  40                  45
229 Glu Glu Gln Ile Gly Lys Cys Ser Thr Arg Gly Arg Lys Cys Cys Arg
230     50                  55                  60
231 Arg Lys Lys
232 65
235 <210> SEQ ID NO: 11
236 <211> LENGTH: 219
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Degenerate nucleotide sequence encoding the
242        polypeptide of SEQ ID NO:10.
W--> 244 <221> NAME/KEY: misc_feature
245 <222> LOCATION: (1)...(219)
246 <223> OTHER INFORMATION: n = a, g, c or t
W--> 248 <400> 11
W--> 249 atgmgnathc aytayytnyt nttygcnytn ytnttyytnt tyytngtncc ngtnccnggn 60
W--> 250 cayggnggna thathaayac nytncaraar trrnnntgym gngtnmgngg nggnmgntgy 120
W--> 251 gcngtnytnw sntgyytncc naargargar carathggna artgywsnac nmgnggnmgn 180
W--> 252 aartgytgym gnmgnaaraa rtrraarccn trraayatg                      219
254 <210> SEQ ID NO: 12
255 <211> LENGTH: 21
```

RAW SEQUENCE LISTING   DATE: 06/28/2002
PATENT APPLICATION: US/10/091,166A   TIME: 11:21:14

Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

```
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Oligonucleotide ZC15591
262 <400> SEQUENCE: 12
263 tgccgatctg ttcctccttt g                                    21
265 <210> SEQ ID NO: 13
266 <211> LENGTH: 25
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Oligonucleotide ZC15589
273 <400> SEQUENCE: 13
274 gaacaggcac caaaaacagg aagag                                25
276 <210> SEQ ID NO: 14
277 <211> LENGTH: 37
278 <212> TYPE: PRT
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Defensin polypeptide
284 <400> SEQUENCE: 14
285 Gln Lys Tyr Tyr Cys Arg Val Arg Tyr Tyr Arg Cys Ala Val Leu Ser
286 1               5                  10                  15
287 Cys Leu Pro Lys Glu Glu Gln Ile Tyr Lys Cys Ser Thr Arg Tyr Arg
288            20                  25                  30
289 Lys Cys Cys Arg Arg
290           35
293 <210> SEQ ID NO: 15
294 <211> LENGTH: 29
295 <212> TYPE: PRT
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Defensin polypeptide
W--> 301 <221> NAME/KEY: VARIANT
302 <222> LOCATION: (26)...(26)
303 <223> OTHER INFORMATION: leucine, isoleucine, valine, phenylalanine, or
304         methionine
W--> 306 <400> 15
307 Gly Arg Cys Ala Val Leu Ser Cys Leu Pro Lys Glu Glu Cys Ile Gly
308 1               5                  10                  15
W--> 309 Lys Met Ser Thr Arg Gly Arg Lys Cys Xaa Arg Arg Lys
310           20                  25
313 <210> SEQ ID NO: 16
314 <211> LENGTH: 30
315 <212> TYPE: PRT
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Defensin polypeptide
W--> 321 <221> NAME/KEY: VARIANT
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/28/2002
PATENT APPLICATION: US/10/091,166A   TIME: 11:21:15

Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:3; Xaa Pos. 2,3,4,5,6,7,9,10,11,12,14,15,16,17,18,19,20,22,24,25,26,27
Seq#:3; Xaa Pos. 28,29
Seq#:4; N Pos. 12,15,21,24,27,33,39,42,45,48,51,54,60,63,75,78,88,89,90,96
Seq#:4; N Pos. 99,102,105,108,111,117,120,123,126,132,135,153,162,165,168
Seq#:4; N Pos. 171,174,186,189,204
Seq#:11; N Pos. 6,18,21,27,30,33,39,45,48,51,54,57,60,66,69,81,84,94,95,96
Seq#:11; N Pos. 102,105,108,111,114,117,123,126,129,132,138,141,159,168,171
Seq#:11; N Pos. 174,177,180,192,195,210
Seq#:15; Xaa Pos. 26
Seq#:16; Xaa Pos. 26
Seq#:17; Xaa Pos. 26
Seq#:35; Xaa Pos. 45
Seq#:36; Xaa Pos. 45
Seq#:37; Xaa Pos. 44
Seq#:38; Xaa Pos. 44
Seq#:39; Xaa Pos. 43
Seq#:40; Xaa Pos. 43
Seq#:41; Xaa Pos. 42
Seq#:42; Xaa Pos. 42
Seq#:43; Xaa Pos. 41
Seq#:44; Xaa Pos. 41
Seq#:45; Xaa Pos. 40
Seq#:46; Xaa Pos. 40
Seq#:47; Xaa Pos. 39
Seq#:48; Xaa Pos. 39
Seq#:49; Xaa Pos. 38
Seq#:50; Xaa Pos. 38
Seq#:51; Xaa Pos. 37
Seq#:52; Xaa Pos. 37
Seq#:53; Xaa Pos. 36
Seq#:54; Xaa Pos. 36
Seq#:55; Xaa Pos. 35
Seq#:56; Xaa Pos. 35
Seq#:57; Xaa Pos. 34
Seq#:58; Xaa Pos. 34
Seq#:59; Xaa Pos. 33
Seq#:60; Xaa Pos. 33
Seq#:61; Xaa Pos. 32
Seq#:62; Xaa Pos. 32
Seq#:63; Xaa Pos. 31
Seq#:64; Xaa Pos. 31
Seq#:65; Xaa Pos. 30
Seq#:66; Xaa Pos. 30
Seq#:67; Xaa Pos. 29
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/28/2002
PATENT APPLICATION: US/10/091,166A   TIME: 11:21:15

Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

Seq#:68; Xaa Pos. 29
Seq#:69; Xaa Pos. 28
Seq#:70; Xaa Pos. 28
Seq#:71; Xaa Pos. 27
Seq#:72; Xaa Pos. 27

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3

VERIFICATION SUMMARY   DATE: 06/28/2002
PATENT APPLICATION: US/10/091,166A   TIME: 11:21:15

Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

L:89 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:100 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:104 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:108 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:112 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:16
L:128 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:132 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:60
L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:120
L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:180
L:244 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:248 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:11
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:60
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:120
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:180
L:301 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:306 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:15
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:16
L:321 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:326 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:16
L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:16
L:341 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:346 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:17
L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:16
L:650 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:655 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:35
L:660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:32
L:674 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:679 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:36
L:684 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:32
L:696 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:701 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:37
L:706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:32
L:718 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:723 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:38
L:728 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:32
L:740 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:745 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:39
L:750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:32
L:762 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:767 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:40
L:772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:32
L:784 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:789 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:41

VERIFICATION SUMMARY   DATE: 06/28/2002
PATENT APPLICATION: US/10/091,166A   TIME: 11:21:15

Input Set : A:\97.44D1.subseqlist.txt
Output Set: N:\CRF3\06282002\J091166A.raw

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L:794  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:32
L:806  M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:811  M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:42
L:816  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:32
L:828  M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:833  M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:43
L:838  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:32
L:850  M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:855  M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:44
L:860  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:32
L:872  M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:877  M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:45
L:882  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:32
L:894  M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:899  M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:46
L:904  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:32
L:916  M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:921  M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:47
L:926  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:32
L:938  M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:943  M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:48
L:948  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:32
L:960  M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:965  M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:49
L:970  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:32
L:982  M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:987  M:258 W: Mandatory Feature missing; <220> not found for SEQ ID#:50
L:992  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:32
L:1004 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1009 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:51
L:1014 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:32
L:1026 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1031 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:52
L:1036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:32
L:1048 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1053 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:53
L:1058 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:32
L:1070 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1075 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:54
L:1080 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:32
L:1092 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1097 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:55
L:1102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:32
L:1114 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1119 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:56
L:1124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:32
L:1136 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1141 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:57
L:1146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:32
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VERIFICATION SUMMARY   DATE: 06/28/2002
PATENT APPLICATION: US/10/091,166A   TIME: 11:21:15

Input Set : A:\97.44D1.subseqlist.txt
Output Set:. N:\CRF3\06282002\J091166A.raw

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L:1158 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1163 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:58
L:1168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:32
L:1180 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1185 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:59
L:1190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:32
L:1202 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1207 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:60
L:1212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:32
L:1224 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1229 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:61
L:1232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:16
L:1246 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1251 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:62
L:1254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:16
L:1268 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1273 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:63
L:1276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:16
L:1290 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1295 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:64
L:1298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:16
L:1312 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1317 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:65
L:1320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:16
L:1334 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1339 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:66
L:1342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:16
L:1356 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1361 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:67
L:1364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:16
L:1378 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1383 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:68
L:1386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:16
L:1398 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1403 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:69
L:1406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:16
L:1418 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1423 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:70
L:1426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:16
L:1438 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1443 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:71
L:1446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:16
L:1458 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:1463 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:72
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